

# Vacancy Announcement

## Announcement #: DEU:01/002A1

**Opening Date:** 19 April 2001

**Closing Date:** 19 January 2002

**Position:** Interdisciplinary: Civil Engineer/Environmental Engineer/Mechanical Engineer/Electrical Engineer/Computer Engineer/Electronics Engineer/Aerospace Engineer/Chemical Engineer/Industrial Engineer/Materials Engineer/Physicist/Chemist & Research Chemist/Mathematician/Computer Scientist

**Pay Plan/Series/Grade:** ND-810/819/830/850/854/855/861/893/896/806/1310/1320/1520/1550-02/03/04 (Equivalent to the GS-05 through GS-13)

**Salary:** ND-2: \$21,623 - \$43,493 per annum  
ND-3: \$33,187 - \$57,669 per annum  
ND-4: \$44,352 - \$82,180 per annum

*\*\*This announcement is open to all US citizens. Civil service status is not required.\*\**

*\*\*Amends announcement number DEU: 01/002A to extend the closing date and update the recruitment bonus information.\*\**

- Note:** (1) These positions are covered under the Demonstration Project.  
(2) A recruitment bonus of \$5,000 may be available to a non-Federal selectee who is hired for one of the series listed above with the exception of the 854 and 855 series.  
(3) A recruitment bonus of \$7,500 may be available to a non-Federal selectee who is hired for the 854 (Computer Engineer) series and the 855 (Electronic Engineer) series.  
(4) A relocation bonus of up to 25% of base pay may be available to a Federal selectee.  
(5) PCS may be paid.

**Organization:** Indian Head Division, Naval Surface Warfare Center (NSWCIH)

**Duty Station:** Indian Head, MD. There are limited vacancies at the Indian Head Division's Detachment sites: Seal Beach, CA; Concord, CA; Earle, NJ; Yorktown, VA; and McAlester, OK. The salaries differ at each Detachment site, based upon geographical location. *If you would like to be considered for one or more of the detachment duty stations, indicate the location(s) on your application.* If no location is documented on your application, you will only be considered for Indian Head, MD. Travel and moving expenses may be paid to the extent permitted by regulation.

**Duties:** The Indian Head Division has multiple openings for a wide variety of scientists and engineers who are responsible for research, development, engineering, production, and quality surveillance of energetics materials and energetic systems including ordnance devices, underwater warheads, propulsion systems, explosives, cartridge and propellant actuated devices, fuze safing/arming systems, and unique chemicals. Additional areas of interest include computer modeling and simulation, emergency aircrew escape propulsion systems, electronic missile simulators and innovation in propellant, projectile and gun component formulation and design. Some series listed will have more vacancies than others, which will have limited opportunities.

**Qualification Requirements:** *ND-2:* A bachelor's or higher degree in engineering, physics, mathematics or computer science. *ND-3:* A master's or higher degree in engineering, physics, mathematics or computer science. Or, a bachelor's degree in the above fields and one year of professional engineering or scientist experience equivalent in difficulty and complexity to the ND-2 level. *ND-4:* A Ph.D. in engineering, physics, mathematics or computer science, with research conducted in a field directly applicable to the research position being filled. Or, a bachelor's degree in the above fields and one year of professional engineering or scientist experience equivalent in difficulty and complexity to the ND-3 level.

**ALL APPLICANTS MUST SUBMIT TRANSCRIPTS.** Many positions require specific coursework to supplement the degree. Unofficial copies are acceptable. Applications will be accepted from students who will graduate within nine (9) months.

**Rating & Referral:** Applicants will be continuously referred as positions become available. Numerical ratings will be assigned to eligible applicants, who will be referred to the selecting official in groups of basically qualified, highly qualified, or superior.

Applicants qualifying on the basis of science or engineering experience ***MUST*** address the degree to which they possess one of the following knowledge's, selecting that most directly related to their experience. Rating will be based on the degree to which the experience relates to one of these areas.

Applicants who do not address one of the following knowledges will be considered on the basis of their education only, regardless of the number of years of experience. Rating will be based on the relevance of their coursework to the mission of NSWCIIH or other selecting activities.

**Applicants with no experience will be rated on the relevance of their coursework to the mission of NSWCIIH or other selecting activities. These applicants need not address any of the knowledge's below.**

1. Knowledge of manufacturing/assembly/disassembly of warheads/rockets/missiles/CADs, PADs. Knowledge of manufacturing processes of military explosives, propellants, and rocket motors.
2. Knowledge of destructive and non-destructive testing and analysis required to evaluate materials, parts, and systems and life cycle surveillance of explosives and propulsion systems.
3. Knowledge of warhead systems for underwater weapons application, theoretical and experimental effects of explosives on underwater targets from warheads.
4. Knowledge of fuzing and safing/arming technology for Navy underwater weapon systems including mechanical, electro-mechanical and electronics systems, sensors and signal processors.
5. Knowledge of Cartridge Actuated Devices (CADs), Propellant Actuated Devices (PADs), and Aircrew Escape Propulsion Systems (AEPS).
6. Knowledge of design, development, manufacturing, and life cycle support in weapons simulation, emulation, training shapes and systems test equipment.

7. Knowledge of quality evaluation and engineering service in support of NAVAIR airborne Fleet weapons and components.
8. Knowledge of Packaging, Handling, Storage, and Transportation (PHST) technical and integrated logistic support functions for Navy weapons and weapon components.
9. Knowledge of synthesis of new energetic materials; formulation of new explosives and propellants; scale-up technology; development of new loading technologies. Knowledge of development of explosive leads, squibs and detonators.
- 10..Knowledge of full spectrum engineering design and support for rockets, JATOs, missiles, and underwater countermeasures systems.

**Preference & Placement Priority:** Applicants claiming veteran's preference must submit a copy of the DD214, Report of Separation from Active Duty, or must submit a statement specifying the type of discharge, dates of service and campaign badges received. Applicants claiming ten points veteran's preference must also submit a SF15, Application for 10-Point Veteran's Preference, together with the proof required by the form.

Applicants claiming military spouse preference must submit a copy of the sponsor's permanent change of station orders showing the spouse as an authorized dependent, together with a statement that spouse preference is requested for this vacancy and has not previously been used to obtain a position in this commuting area.

Applicants claiming special selection priority under the Interagency Career Transition Assistance Plan (ICTAP) must submit a copy of the separation notice or other qualifying document indicating displaced or surplus status. Additionally, applicants must submit a statement that priority is requested for this vacancy and that no previous offer of a position in Navy in this commuting area has been declined. Finally, applicants must submit a copy of a SF50, Notification of Personnel Action, showing the grade and full performance level of the position from which separated. Applicants must be well qualified in order to receive selection priority. "Well qualified" includes applicants whom possess the knowledge, skills and abilities, which clearly exceed the minimum qualification requirements for the position.

**Additional Information for Candidates with Competitive Status:** All status candidates, whether currently or formerly employed by the Federal service, will be considered through the merit staffing process, vice the delegated examining process described above. If candidates wish to be considered through both processes, two (2) application packages must be submitted. Both current and former employees must submit a copy of a SF50, Notification of Personnel Action, showing competitive status. Current Federal employees must also submit a copy of the most recent annual performance appraisal.

**Forms Required:** 1) Completed application or resume, with the announcement number and citizenship clearly annotated. 2) College transcript. Unofficial copies are acceptable. 3) Narrative statement specifically addressing one of the required knowledge's listed above, if experience is to be considered. 4) DD214 or other documents establishing veteran's preference as described above, if applicable. 5) Documents establishing military spouse preference as described above, if applicable. 6) Documents establishing

selection priority under ICTAP as described above, if applicable. 7) SF50 showing competitive status if a current or former Federal employee. 8) The most recent annual performance appraisal, if a current Federal employee.

If your application is not complete with items 1-2 above, together with items 3-8, if applicable, or if your application package does not provide sufficient information concerning your experience, you may lose consideration for this position.

**Special Certifications:** Employees in certain positions will be required to be certified for specific operations; those under the Medical Surveillance Program will be required to pass periodic medical examinations; some will be required to be fit tested for a respirator.

**Other Pertinent Information:** Checked items apply.

- (X) Promotion potential to the ND-IV. Although promotion is not guaranteed, selectee may be promoted to the full performance level with further competition.
- (X) Selective Service: As a condition of employment, male applicants born after December 21, 1959 must certify that they have registered with the Selective Service System, or are exempt from having to do so under Selective Service.
- (X) Passing of a physical examination may be required.
- (X) Some travel may be required.

**Submit application packages to:** Indian Head Division, Naval Surface Warfare Center  
College Recruitment  
101 Strauss Avenue, Attn: Code 06R  
Indian Head, Maryland 20650-5035

Applications will be retained until six months after receipt or six months after college graduation, whichever is later. All application packages must be postmarked by the closing date. No application packages will be accepted after this date.

The Department of Navy is an Equal Opportunity Employer.